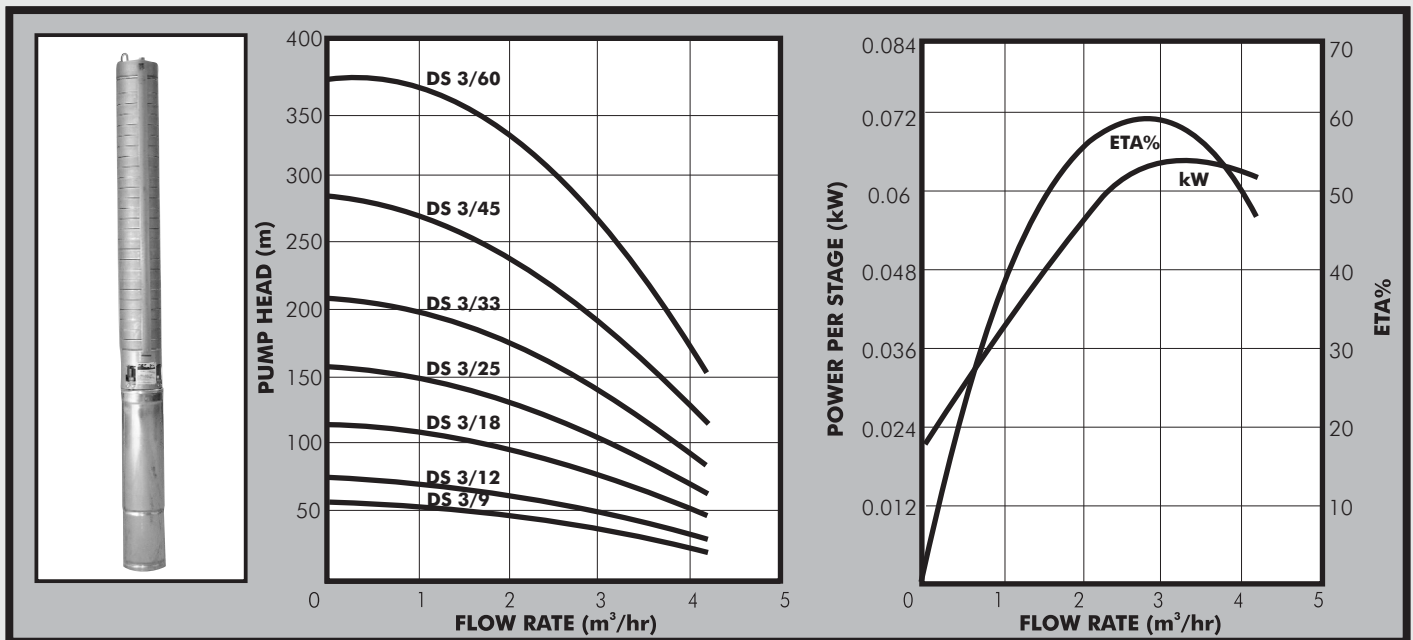




DS3

Multistage Centrifugal Borehole Pumps



PUMP

DAYLIFF DS submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from premium AISI304 stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel-cage motor constructed of stainless steel. Single phase motors should be supplied with purpose designed Dayliff SCM control boxes for operation and protection against overload, dry running and over/under voltage. Three phase motors require a remote DOL starter; A DAYLIFF SCT electronic Pump Controller is recommended for comprehensive pump control including low level, motor overload and irregular power supply protection.

Enclosure Class: IP68

Insulation Class: F

Speed: 2900 rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean, chemically non-aggressive liquids without solid.

Max. Liquid Temperature: 40°C

Max Water Depth: 200m

Minimum Borehole Diameter: 110mm

PUMP DATA

Model	Motor		Full Load Current (A)		Start Current (A)		Dimensions (mm)				Weight (kg)	
							C	B		A		
	kW	HP	1x240V	3x415V	1x240V	3x415V		1x240V	3x415V	1x240V		
DS 3/9	0.55	0.75	5		15		356	365		721		11.2
DS 3/12	0.75	1	6.2		20		419	375		794		12.3
DS 3/18	1.1	1.5	8.1	3.1	32	16	545	395	375	940	920	14.3
DS 3/25	1.5	2	10.4	4.0	35	20	692	440	395	1132	1087	17.6
DS 3/33	2.2	3	15	5.6	45	22	883	558	440	1441	1323	25.5
DS 3/45	3	4		7.4		45	1135		558		1693	30.3
DS 3/60	4	5.5		9.5		49	1460		573		2033	43

